



System And Method For Detecting And  
Jamming Emitter Signals  
GOUNALIS, Anthony J.  
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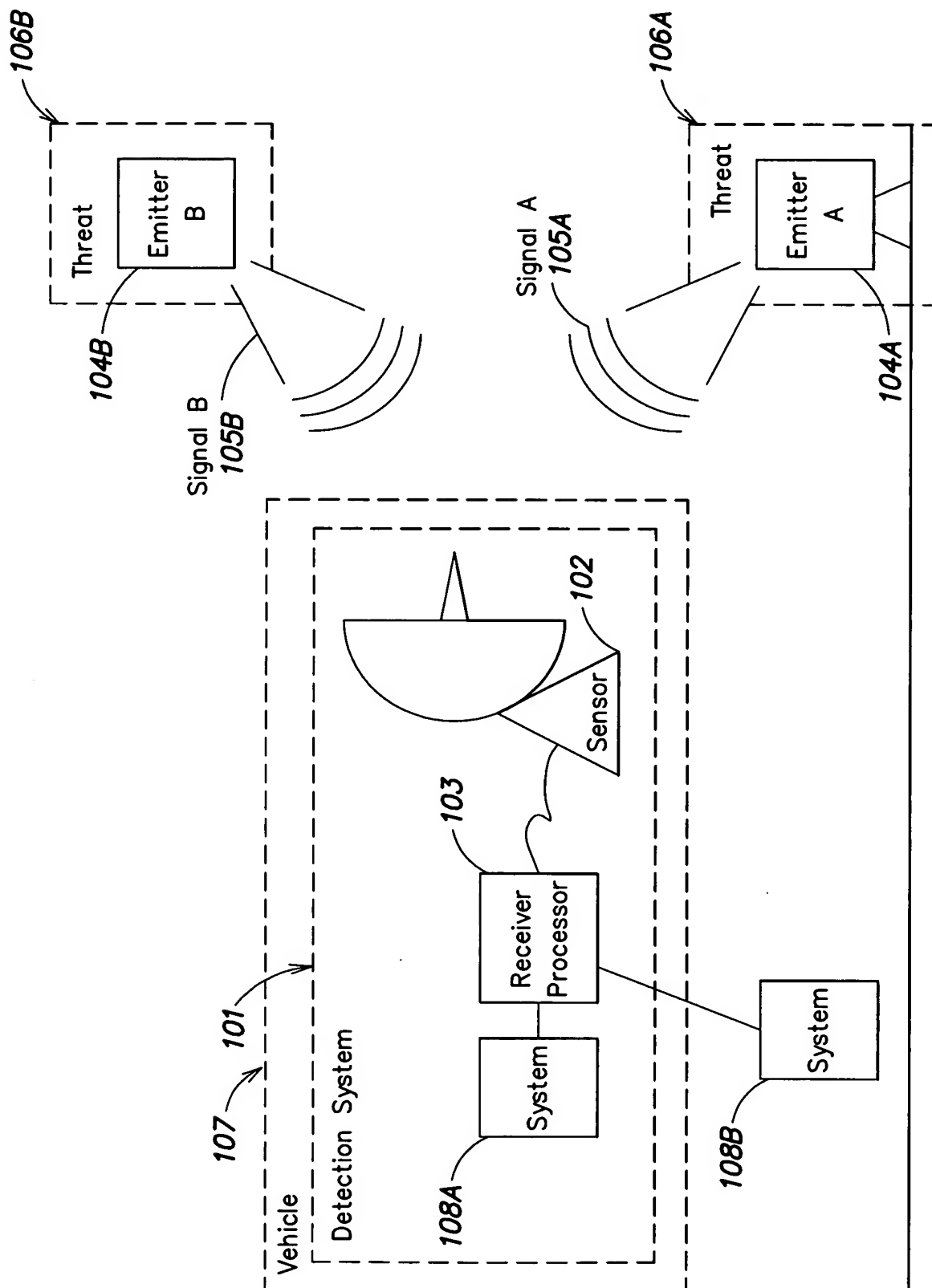


FIG. 1

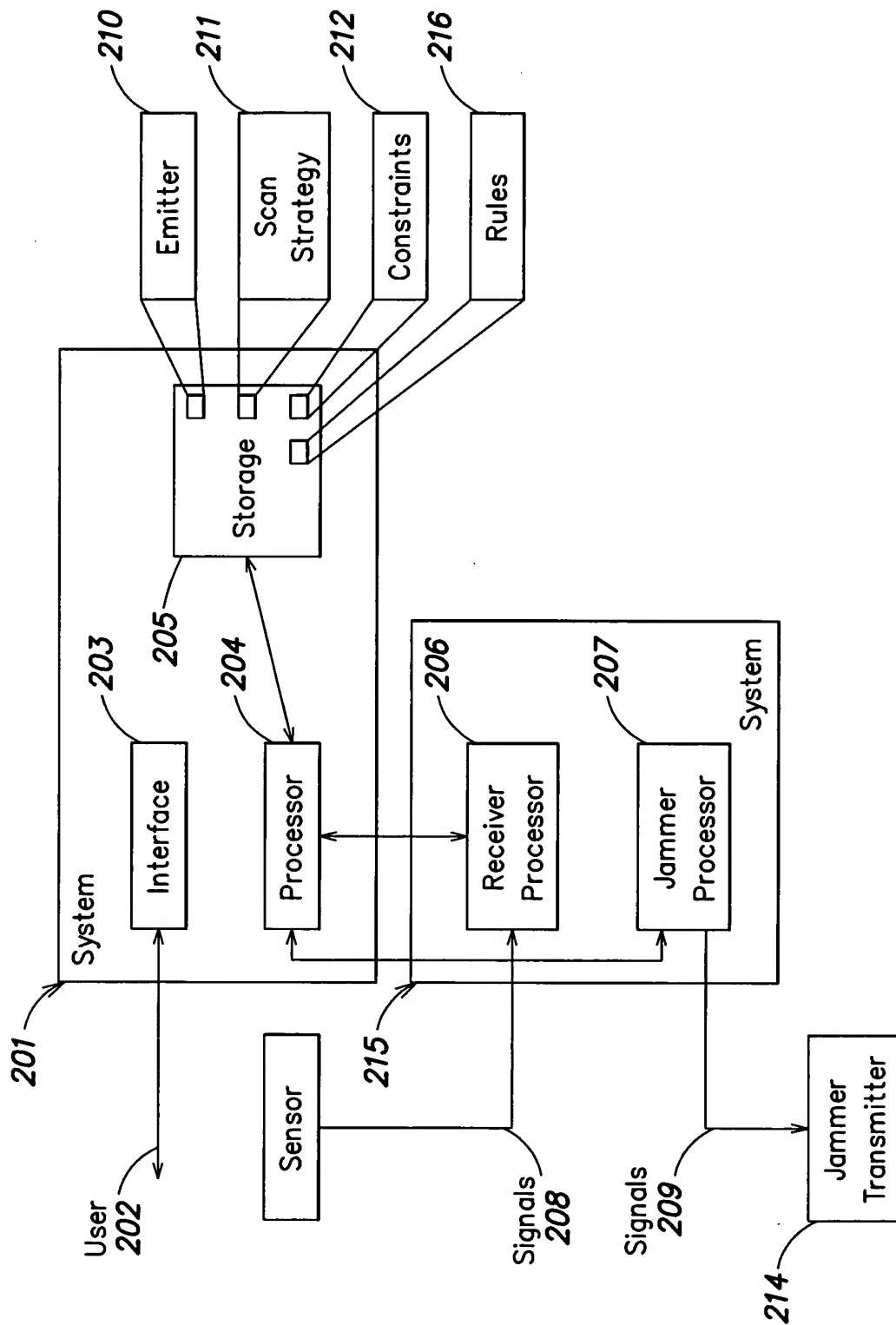
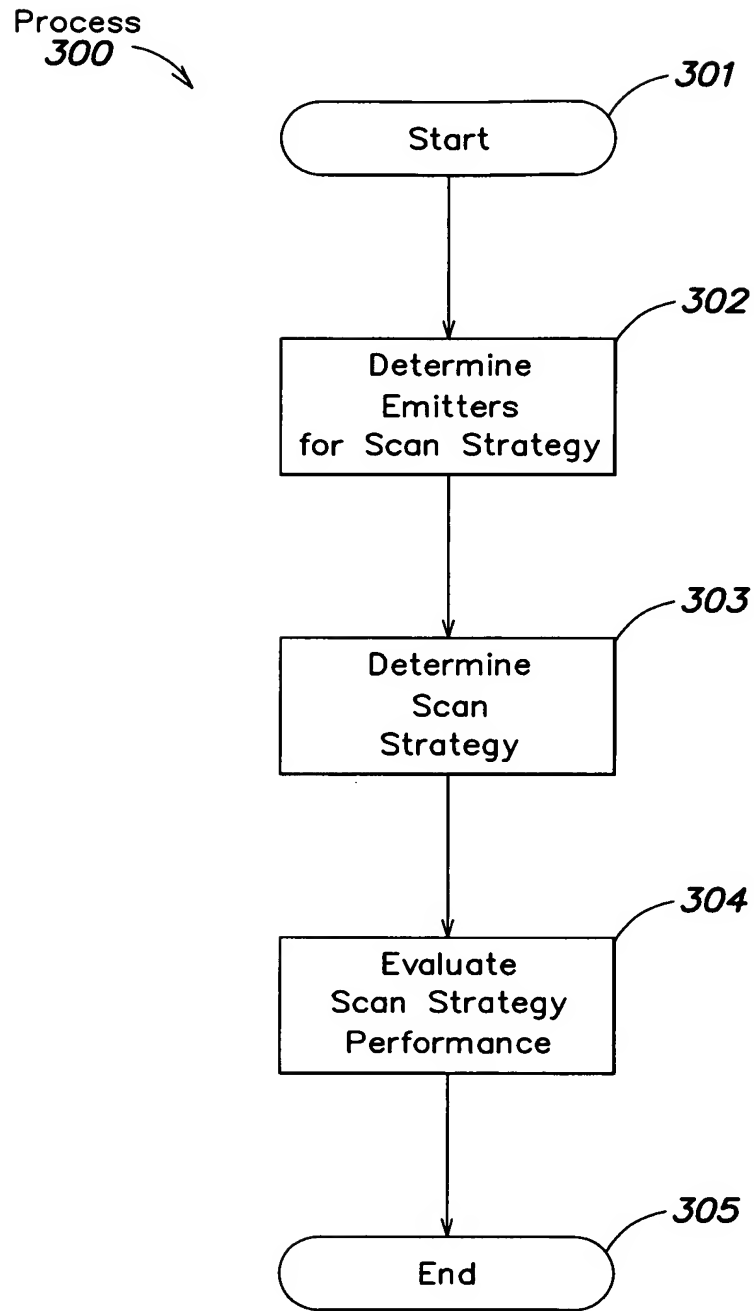
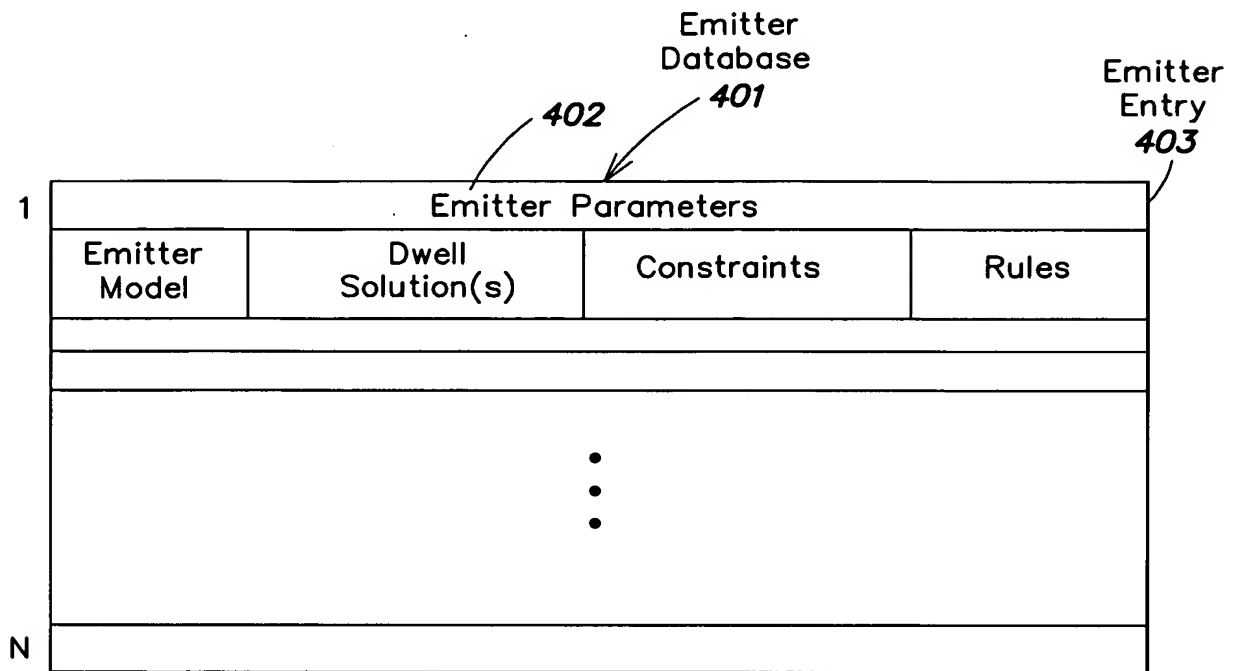


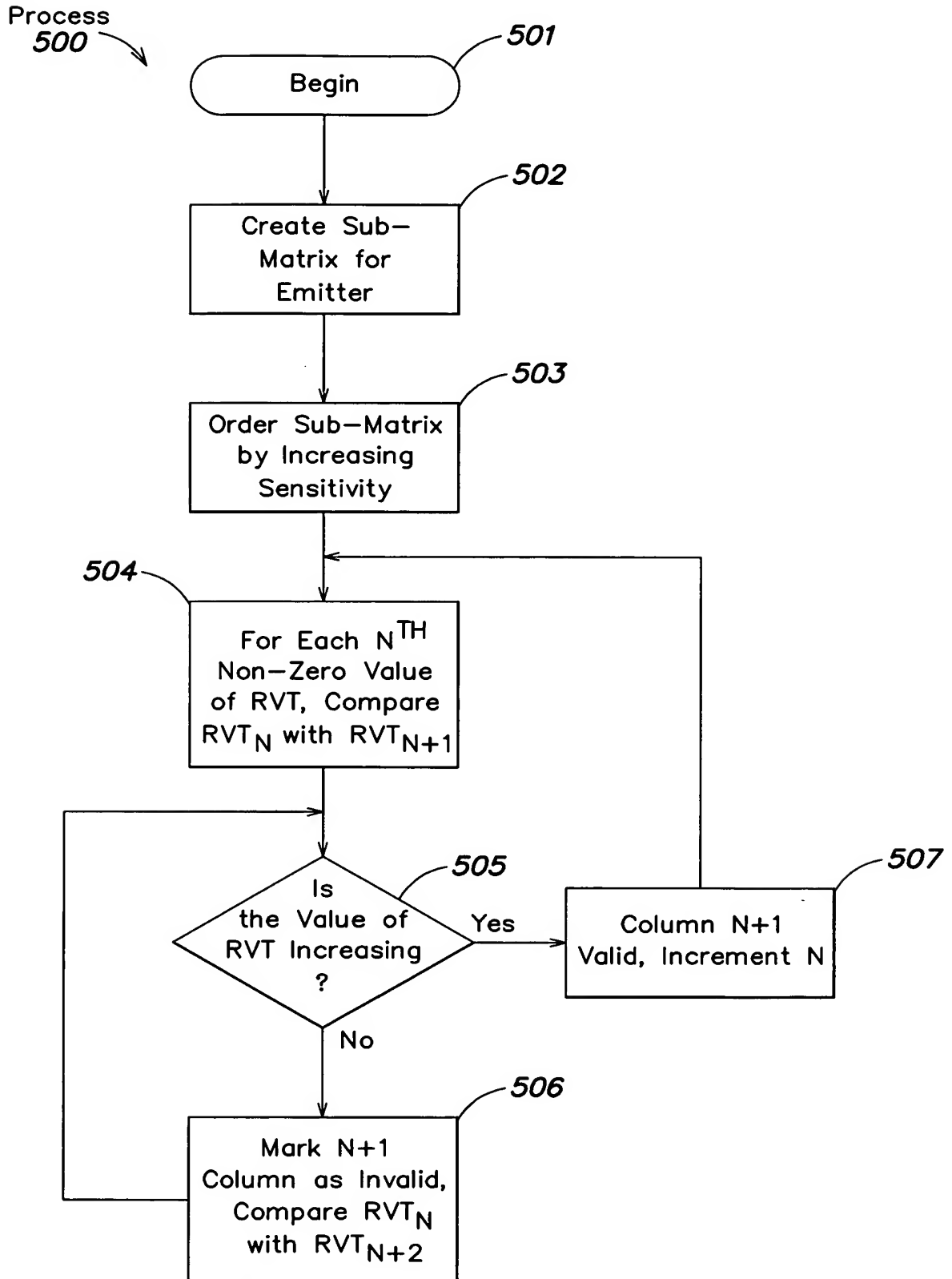
FIG. 2



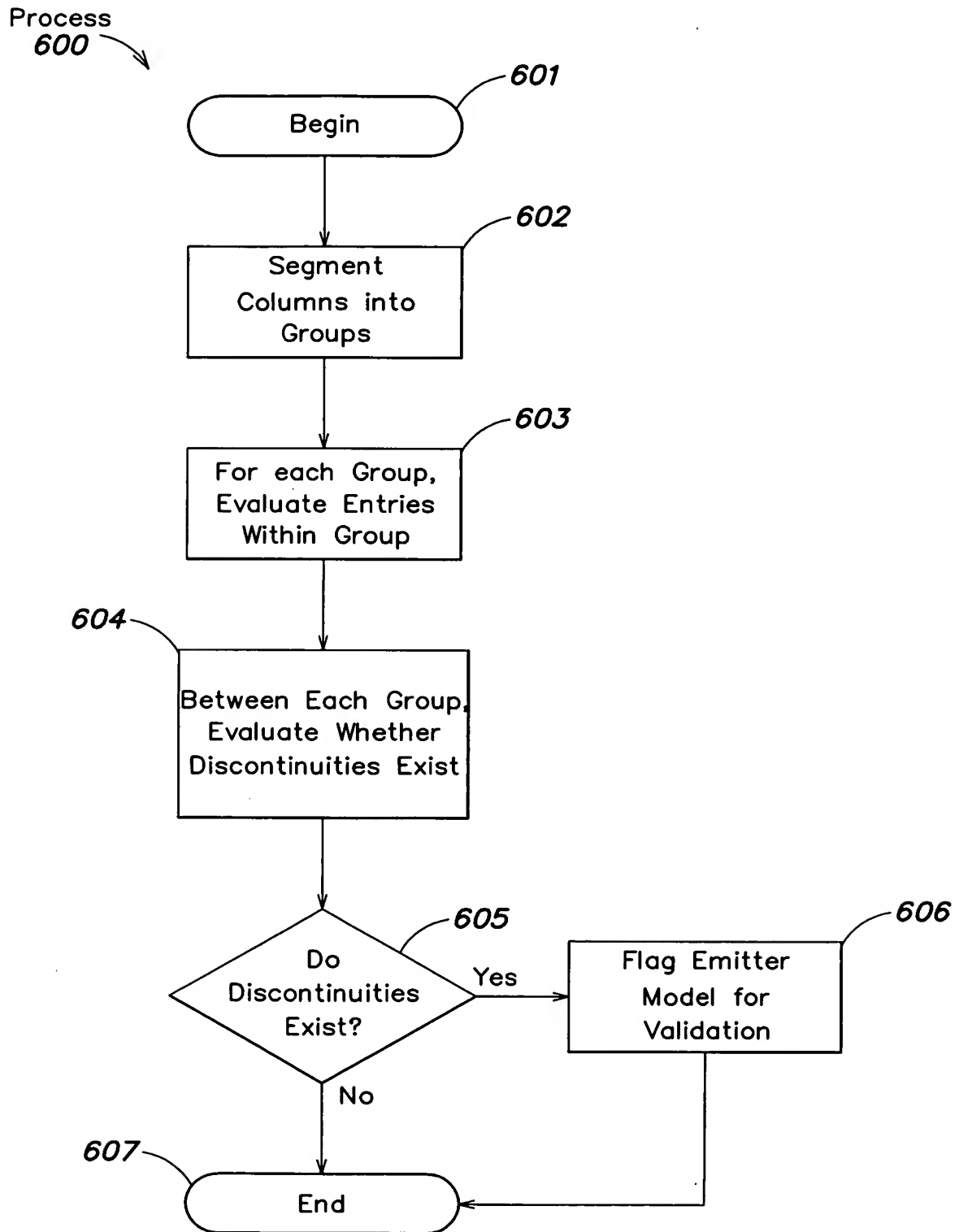
**FIG. 3**



**FIG. 4**



**FIG. 5**



**FIG. 6**

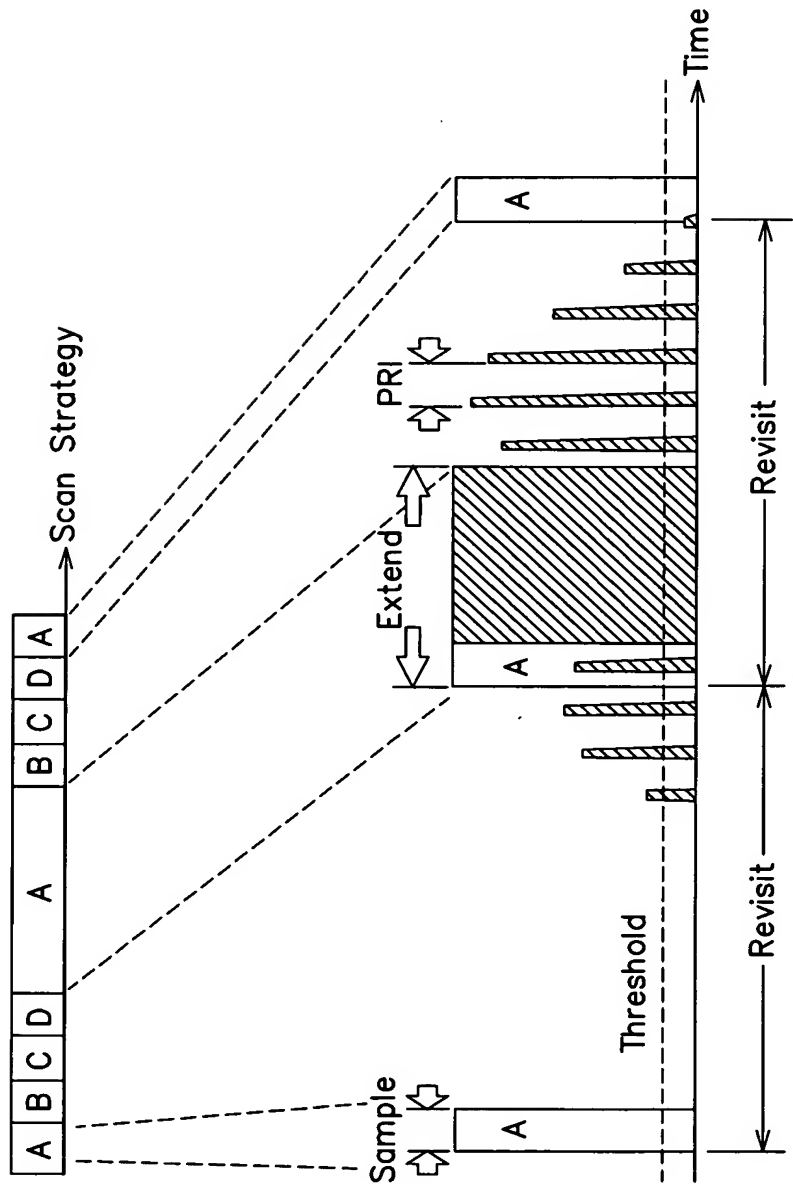


FIG. 7

NO PULSE GROUPING LOGIC:

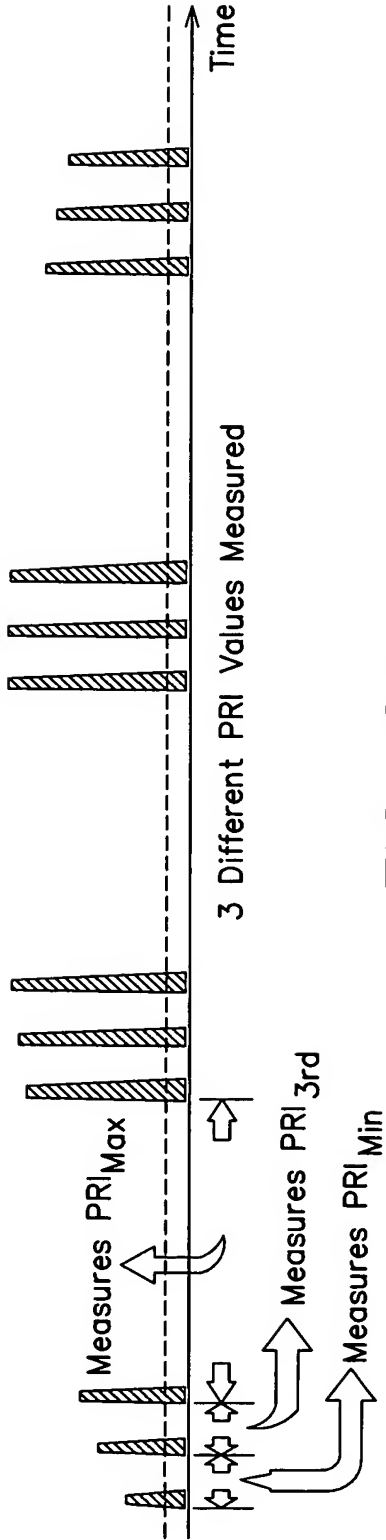


FIG. 8A

WITH PULSE GROUPING LOGIC:

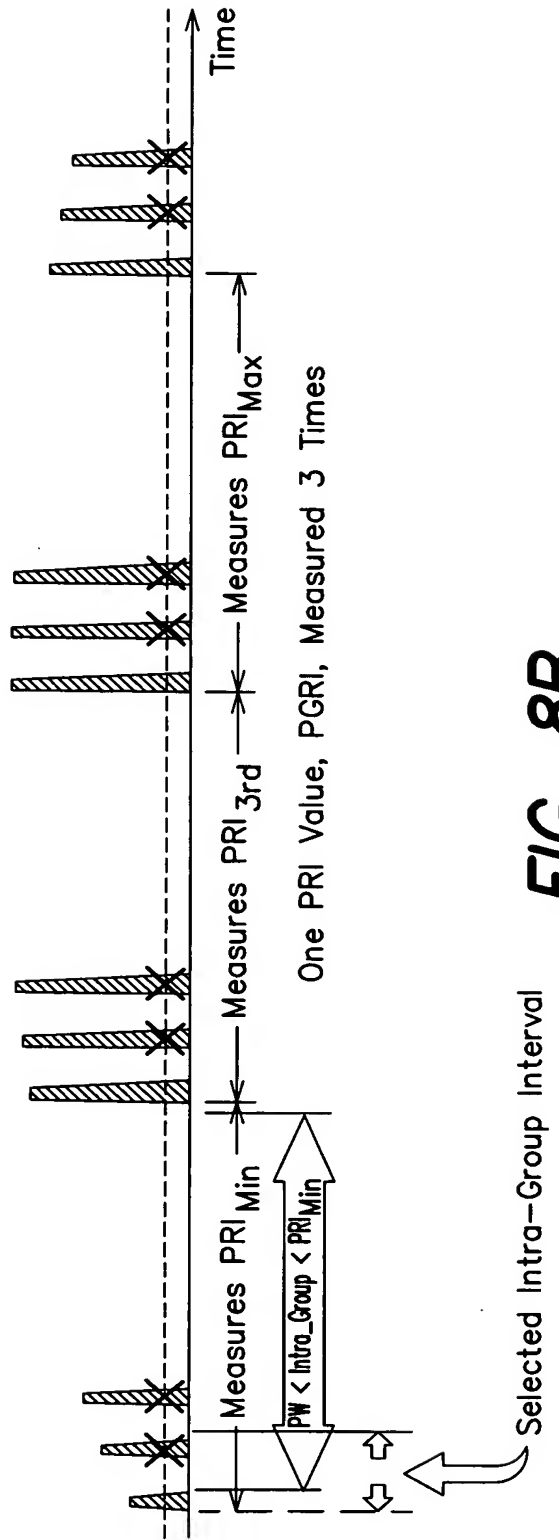


FIG. 8B



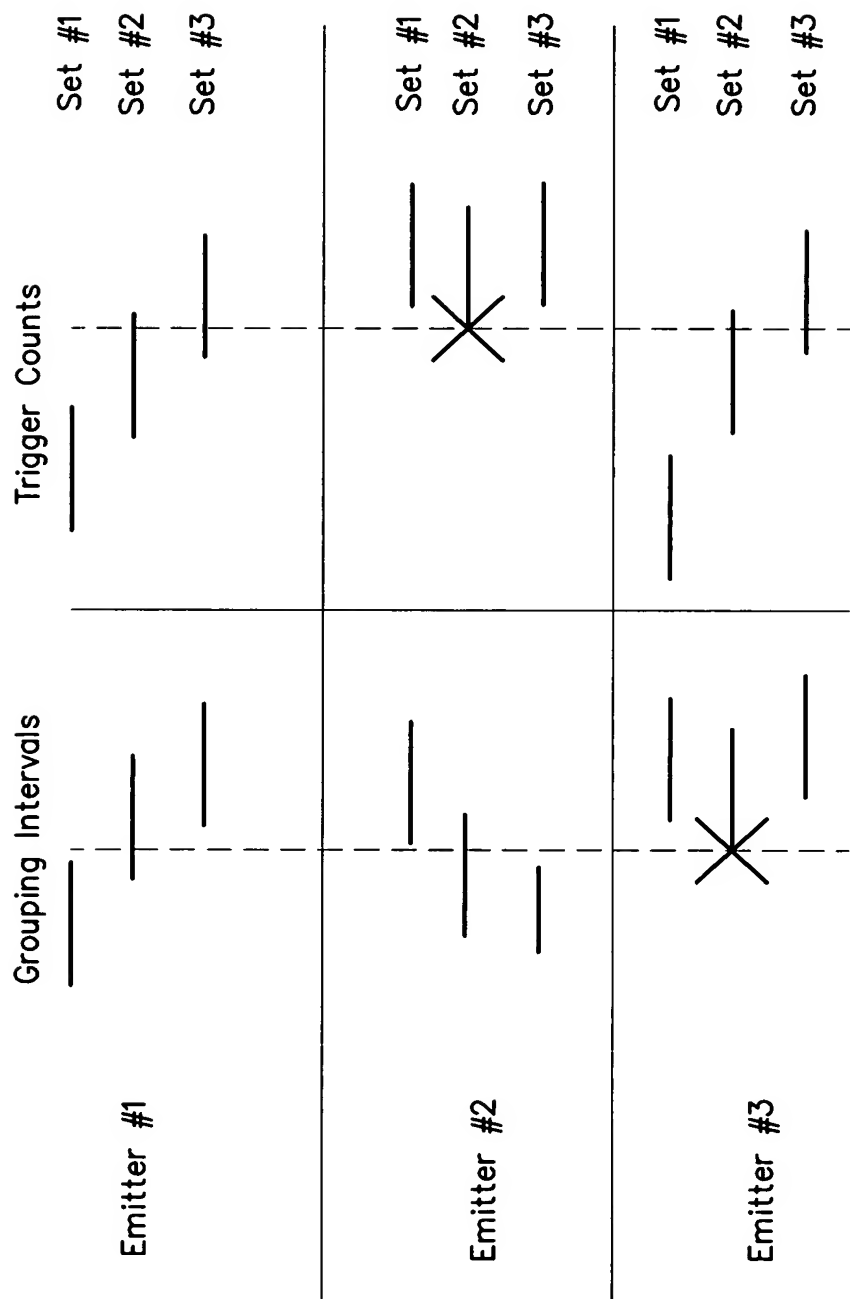


FIG. 9

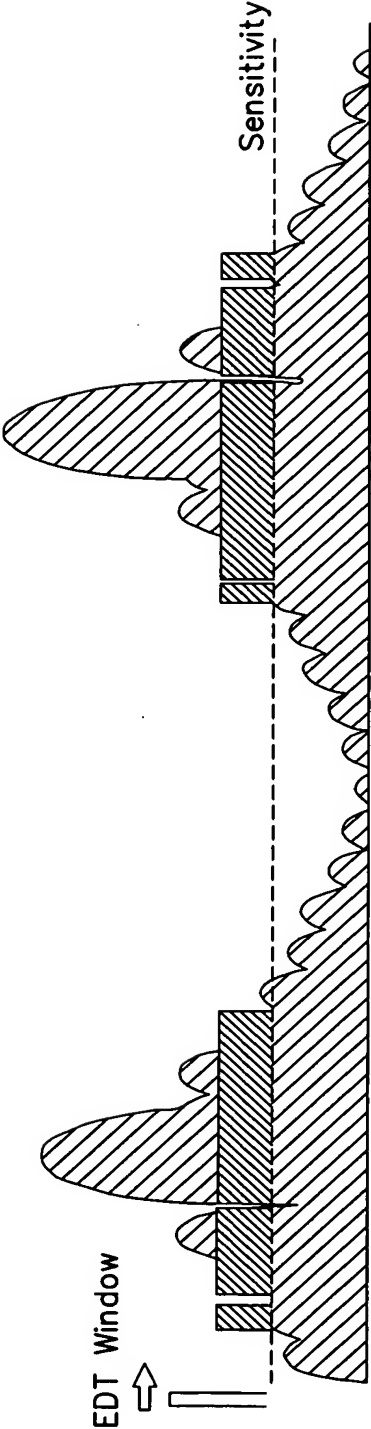


FIG. 10A

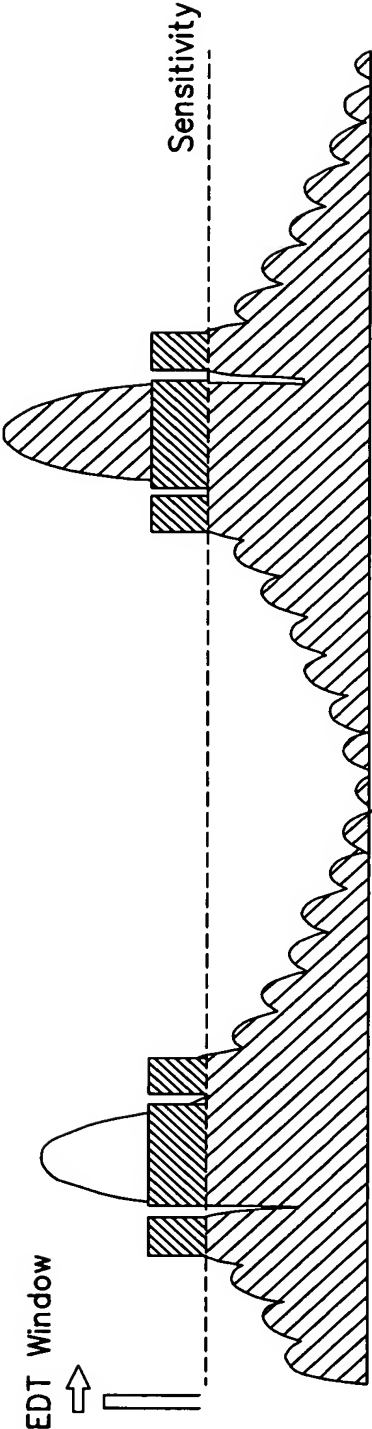


FIG. 10B

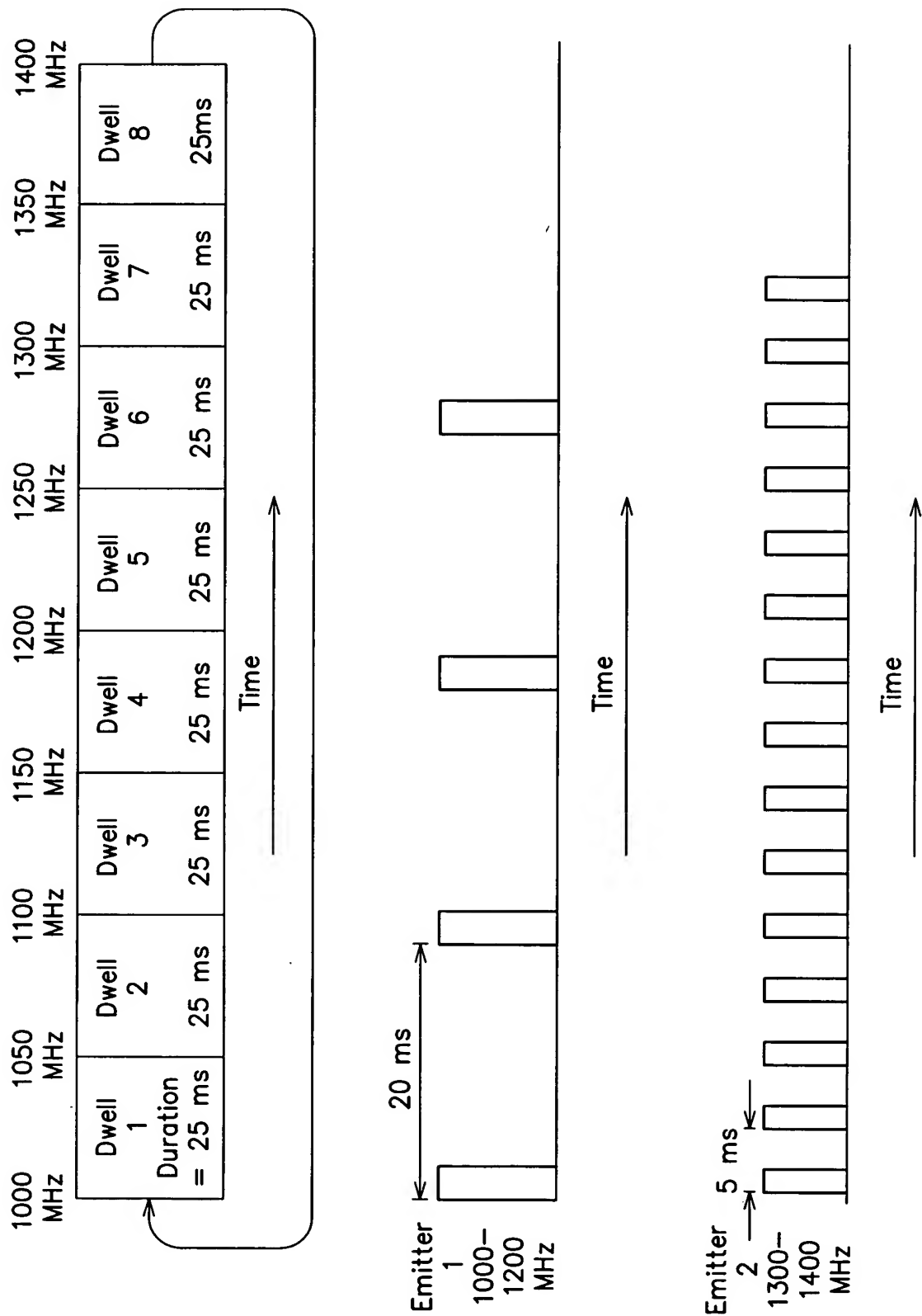


FIG. 11

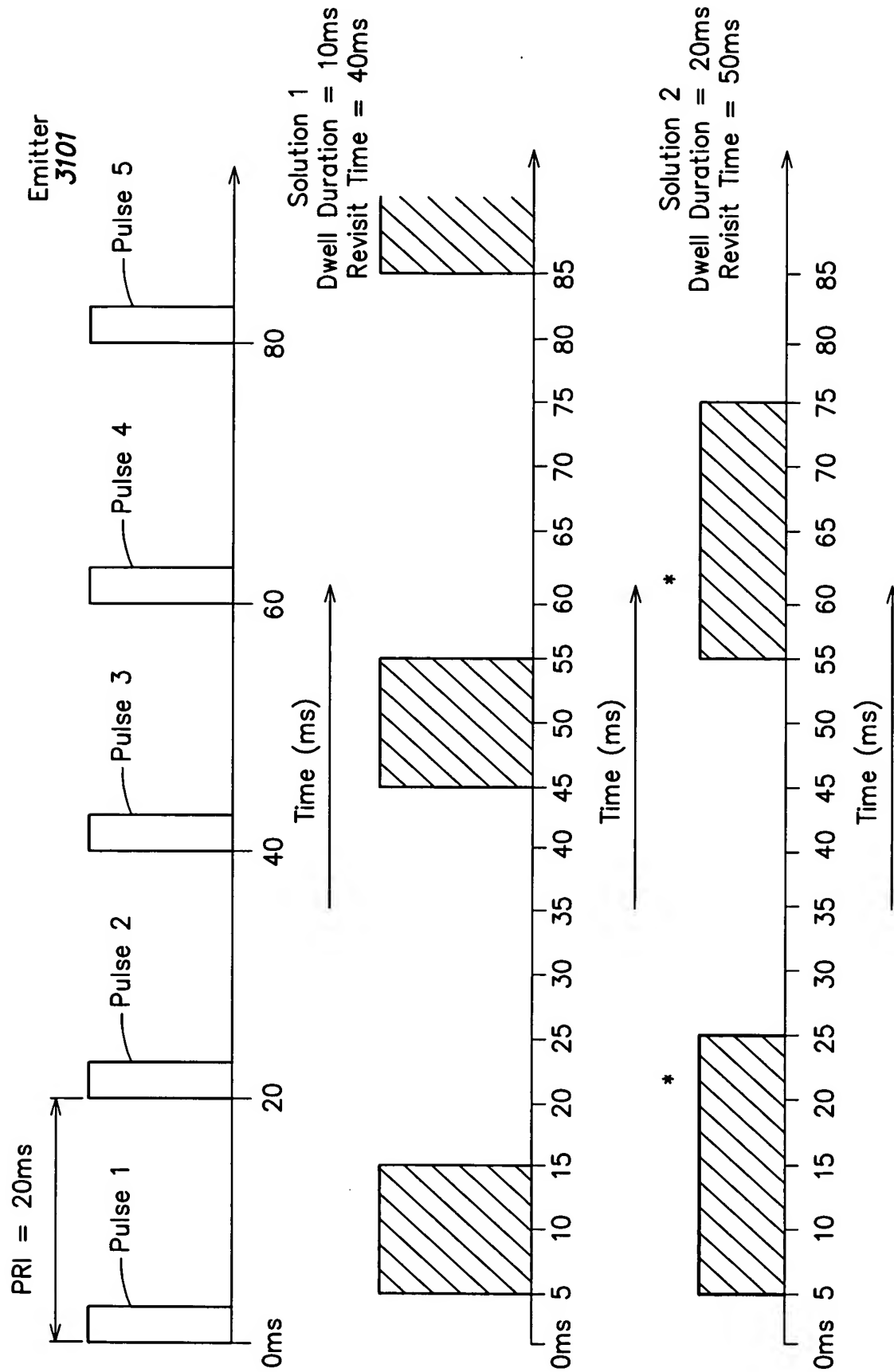


FIG. 12

4000

Emitter Name	Detecting Method 1 250MHz IF/ 15MHz VBW RVT	Detecting Method 2 30MHz IF/ 15MHz VBW RVT	RF Min (MHz)	RF Max (MHz)	Min MDT (ms)
E1	100 ms	650 ms	1000	1300	3
E2	120 ms	780 ms	1220	1350	5
E3	110 ms	330 ms	1510	1810	2
E4	130 ms	390 ms	1730	1860	4

FIG. 13

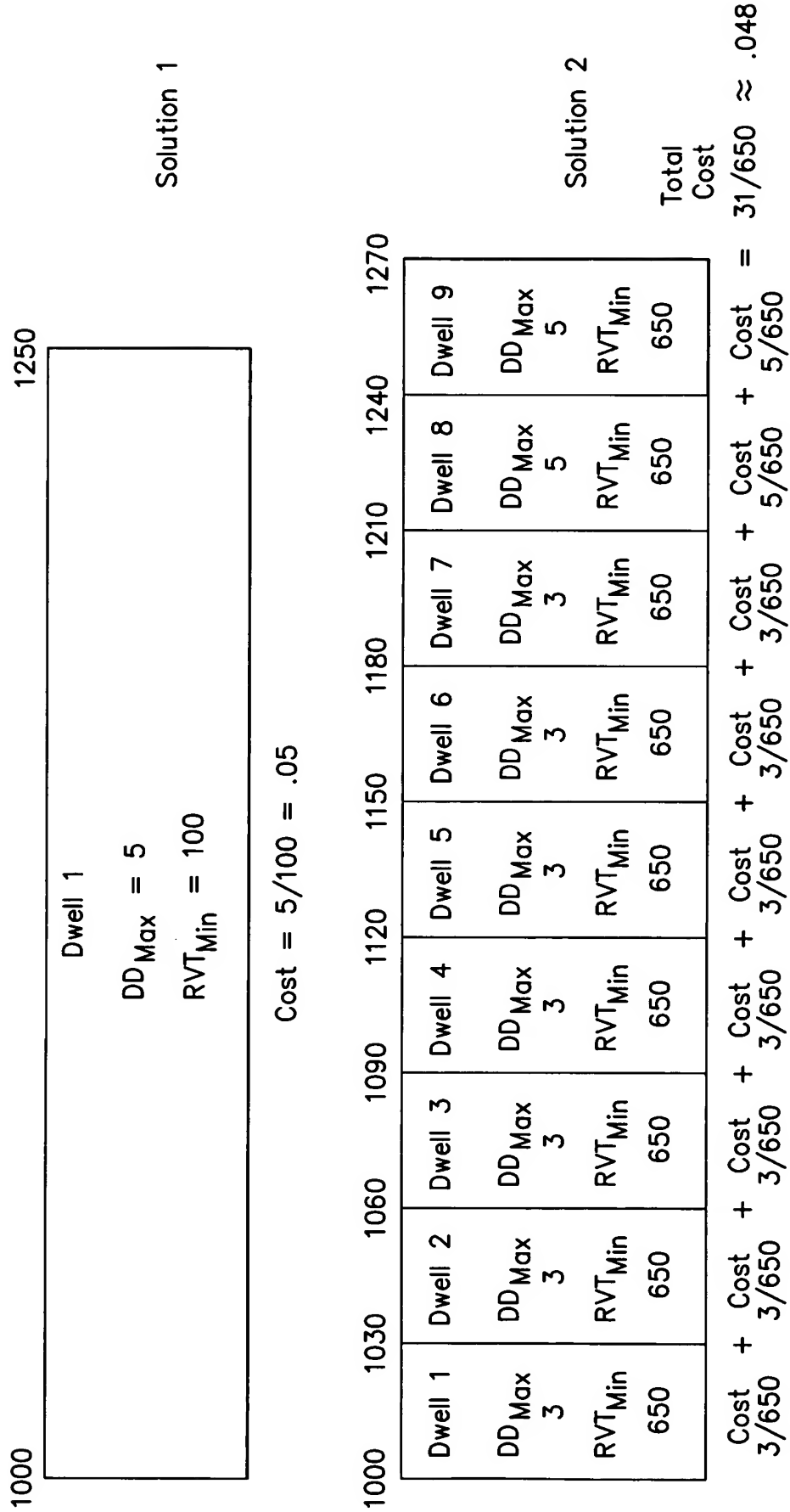


FIG. 14A

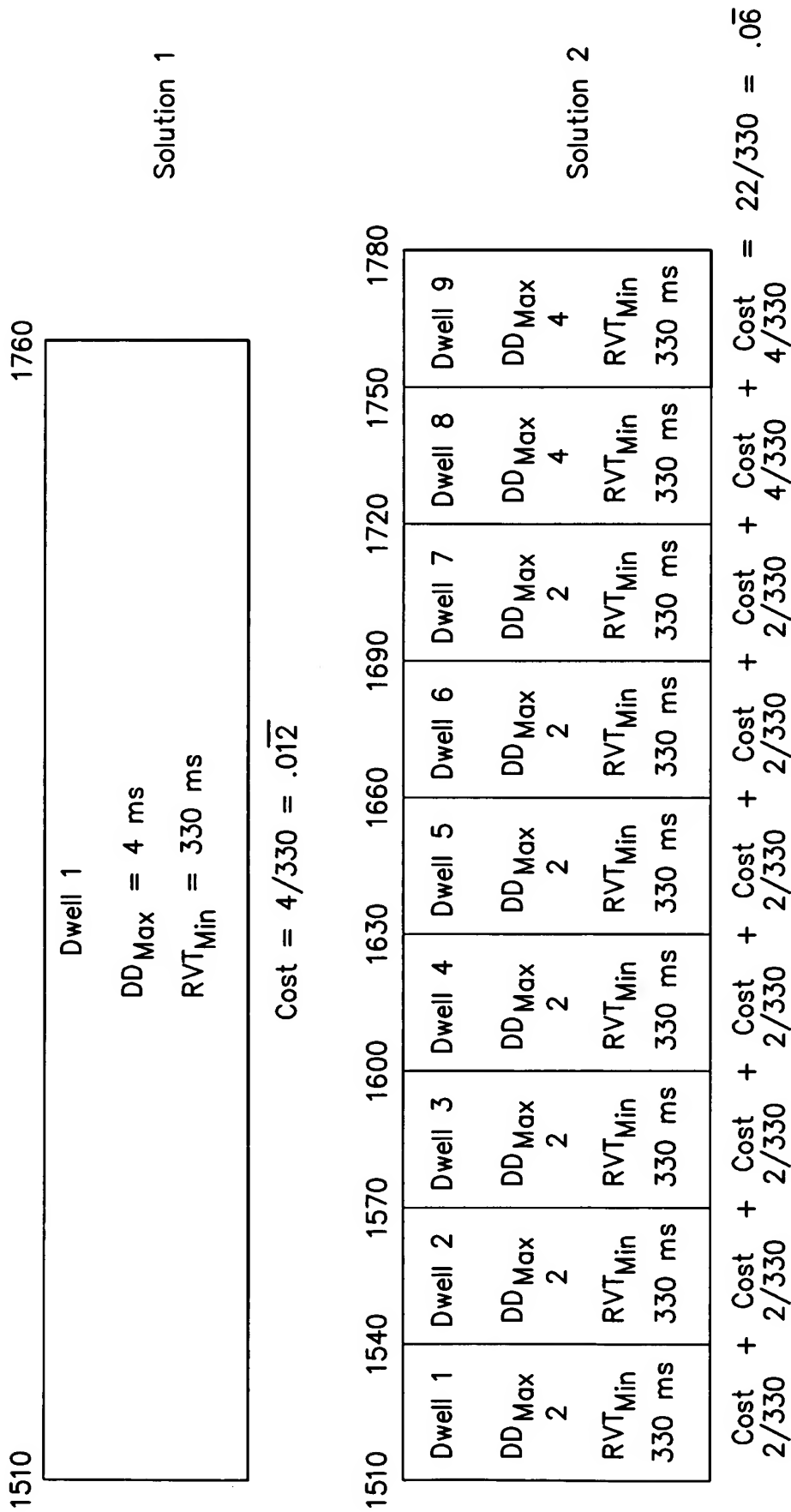
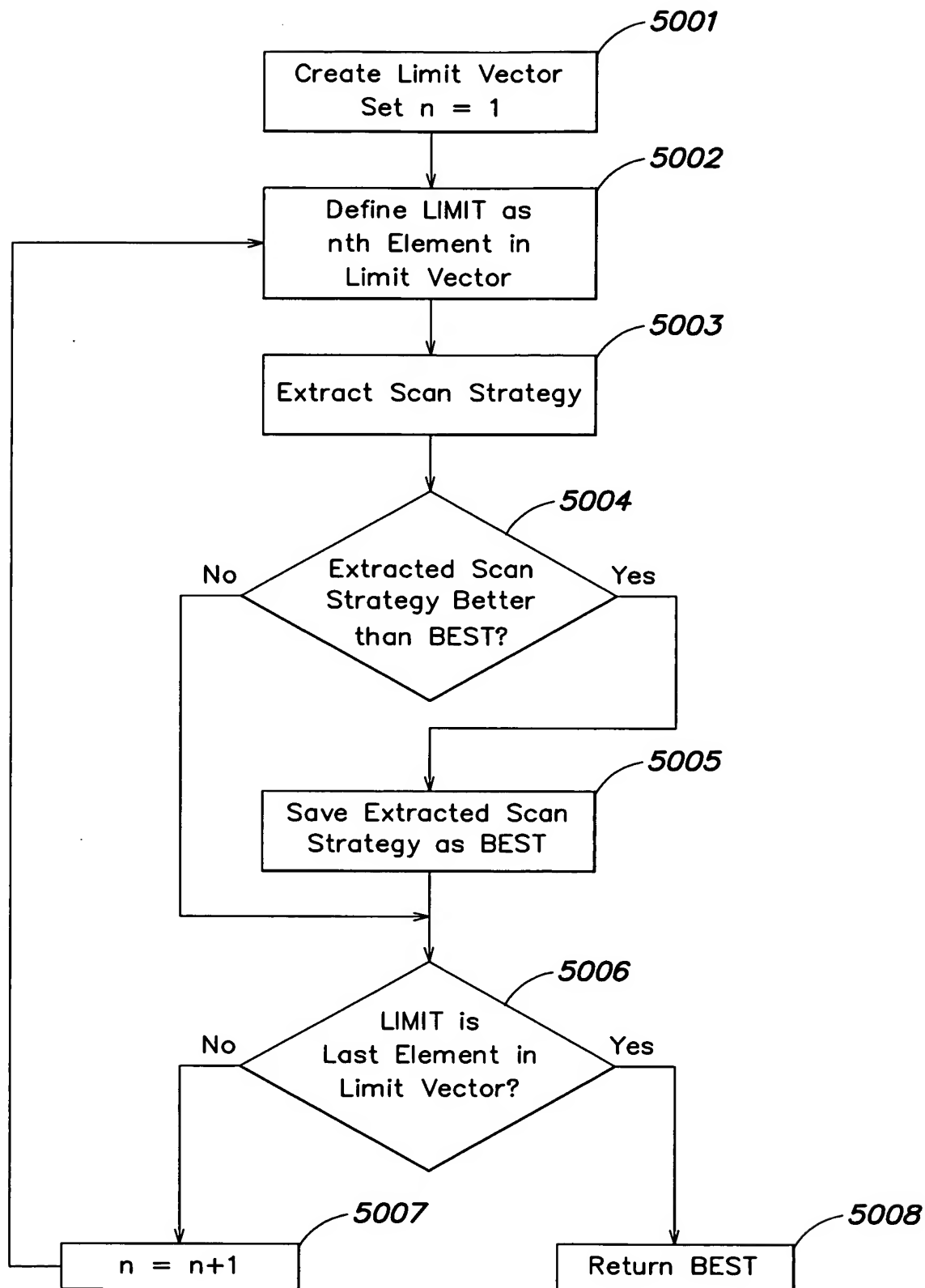


FIG. 14B



**FIG. 15**



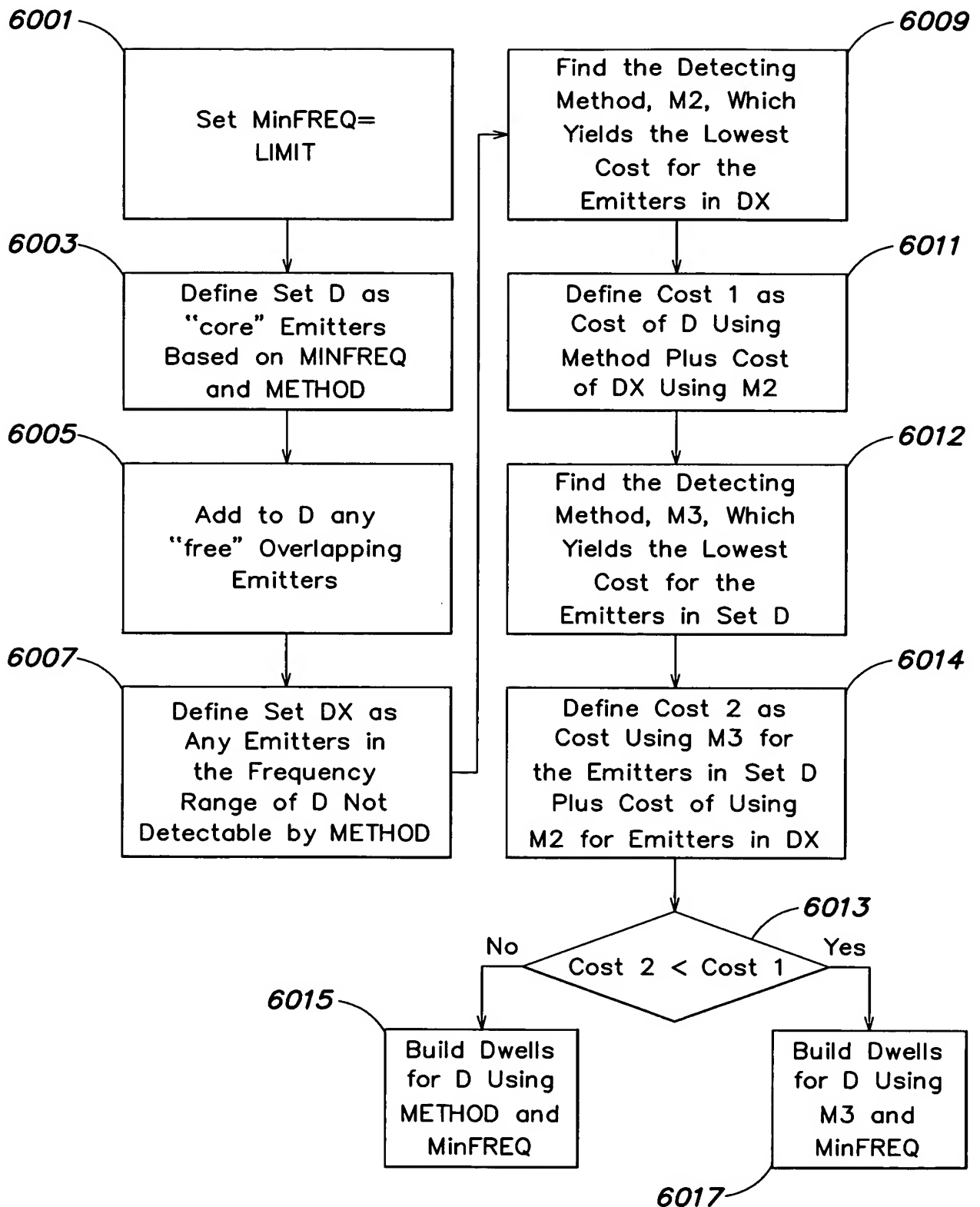


FIG. 16

Name	RF Min	RF Max
E1	1100	1200
E2	1150	1250

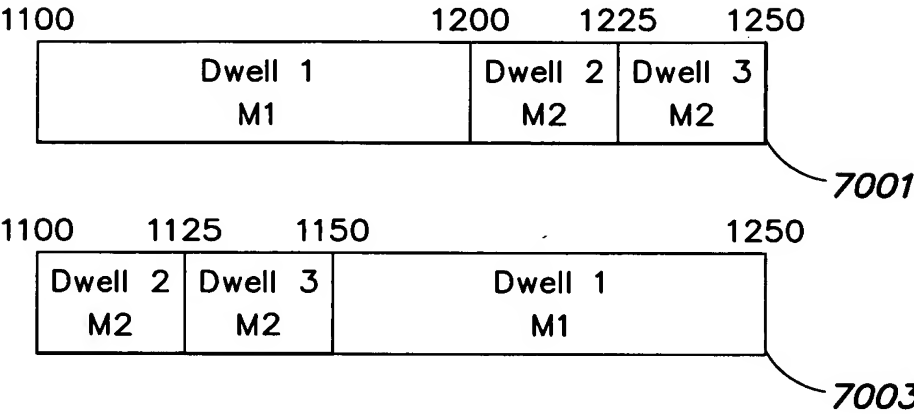


FIG. 17

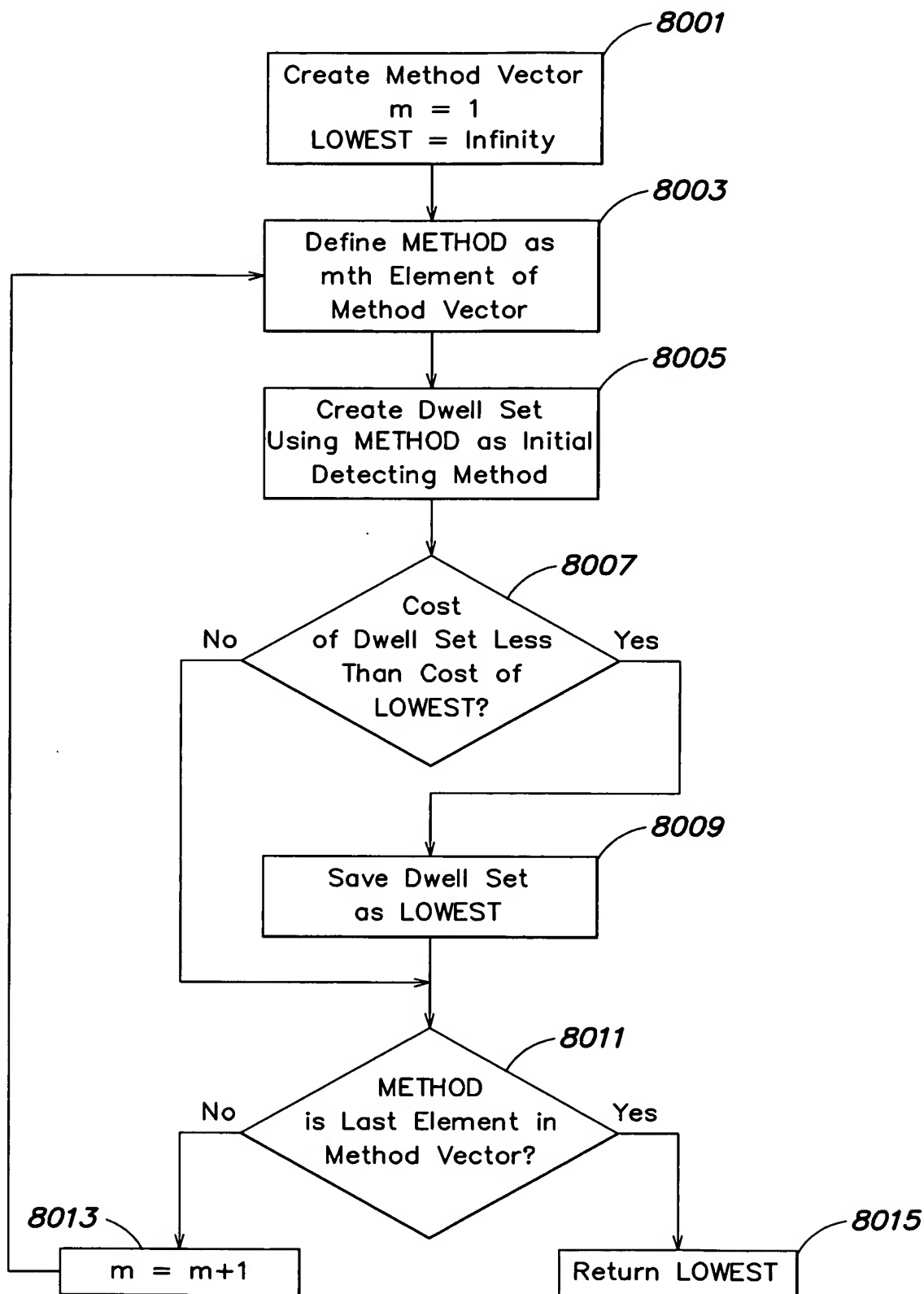


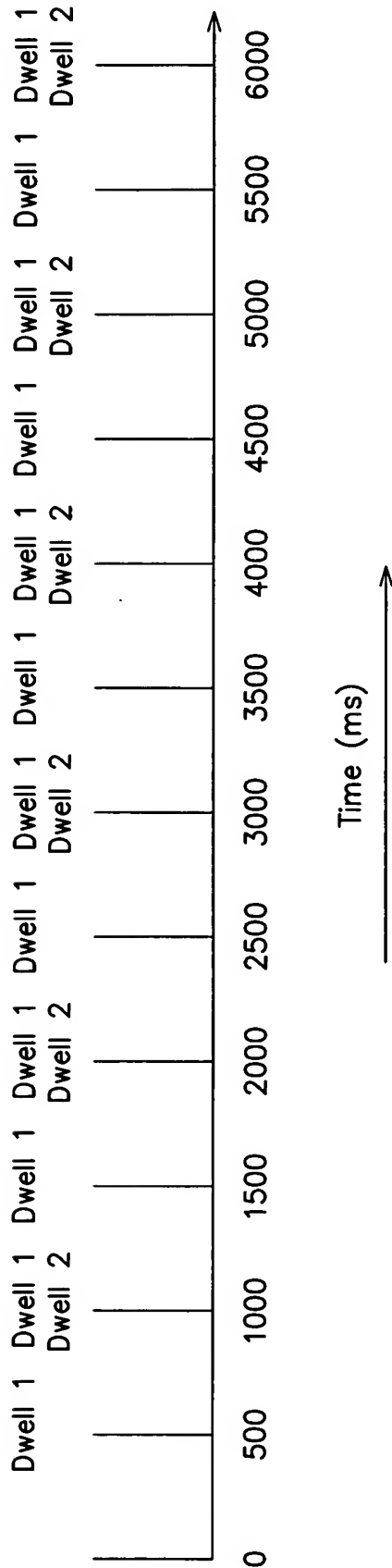
FIG. 18

Emitter	Dwell Duration (ms)	Revisit Time (ms)
Emitter 1	1	500
Emitter 2	2	1200

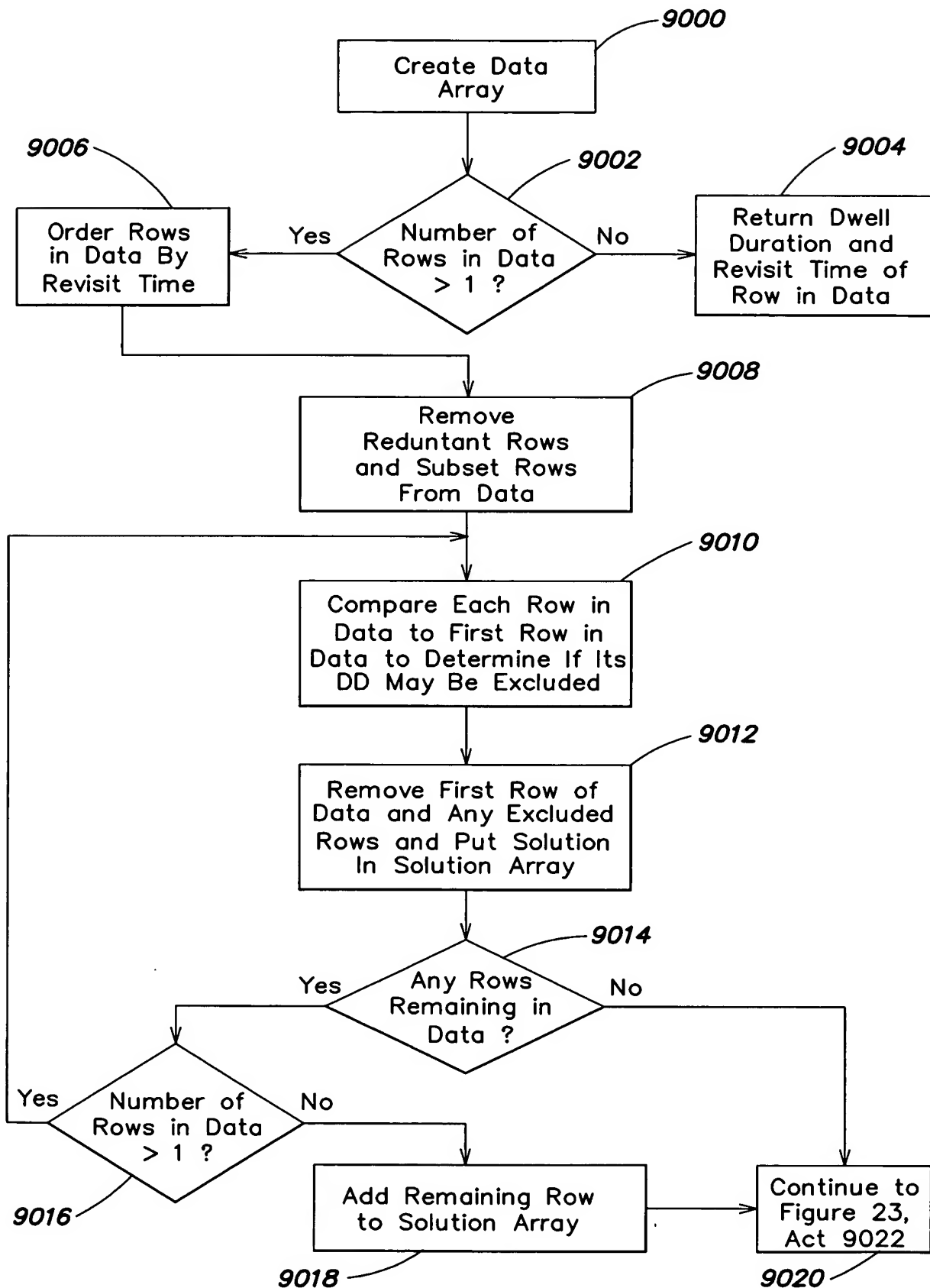
***FIG. 19***

Emitter	Dwell Duration (ms)	Revisit Time (ms)	Cost
Emitter 1	1	500	.002
Emitter 2	5	1000	.005

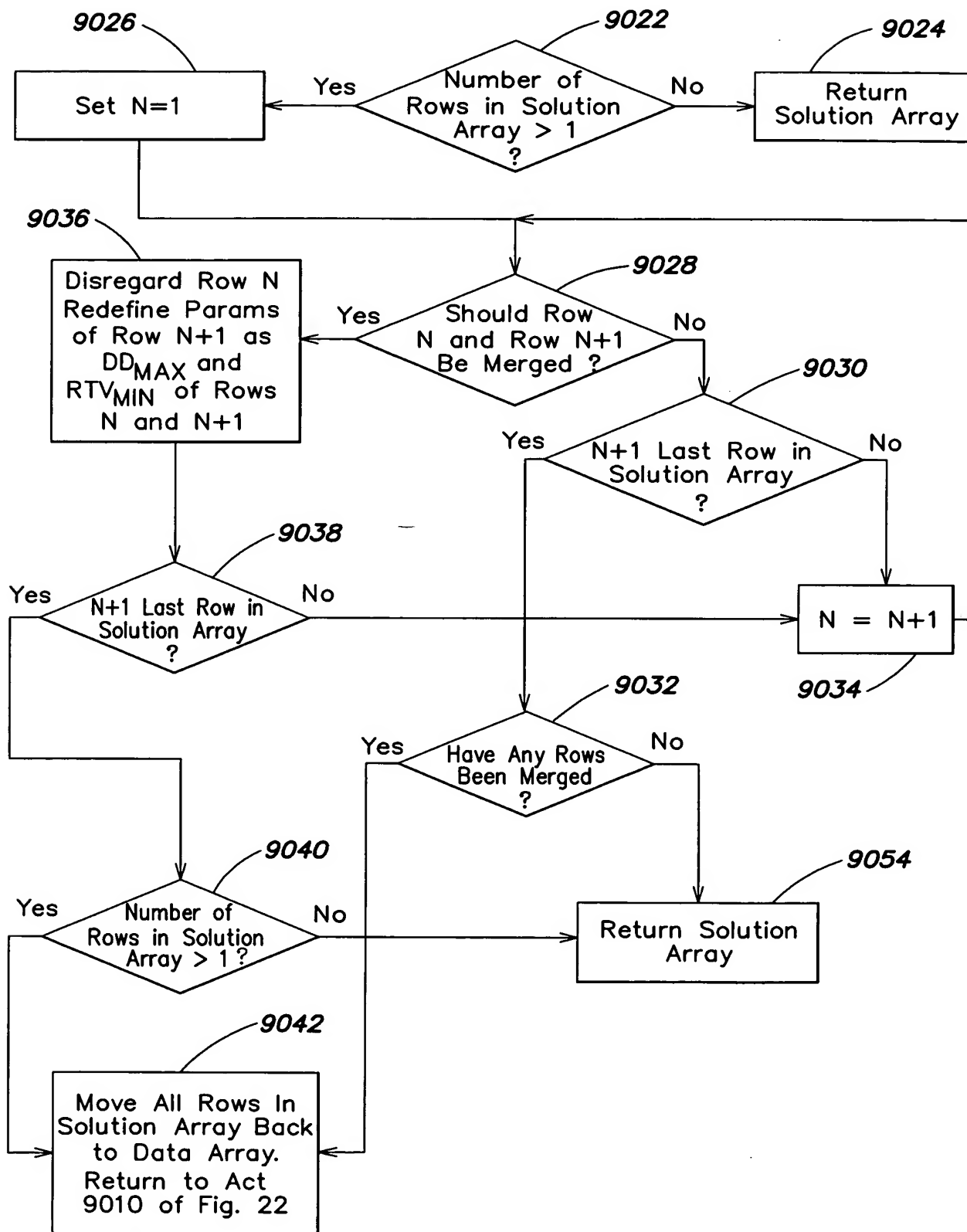
***FIG. 20***



**FIG. 21**



**FIG. 22**



**FIG. 23**

9044

Data		
MDT	EDT	RVT
1	7	500
2	9	700
2.3	11	800
3	19	2000
3.05	17	2868

9051

9052

9044

Data		
MDT	EDT	RVT
1	7	500
2	9	700
2.3	11	800
0.5	3.5	1000
3	19	2000
3	19	2000
3.05	17	2868

9048

9049

9050

9044

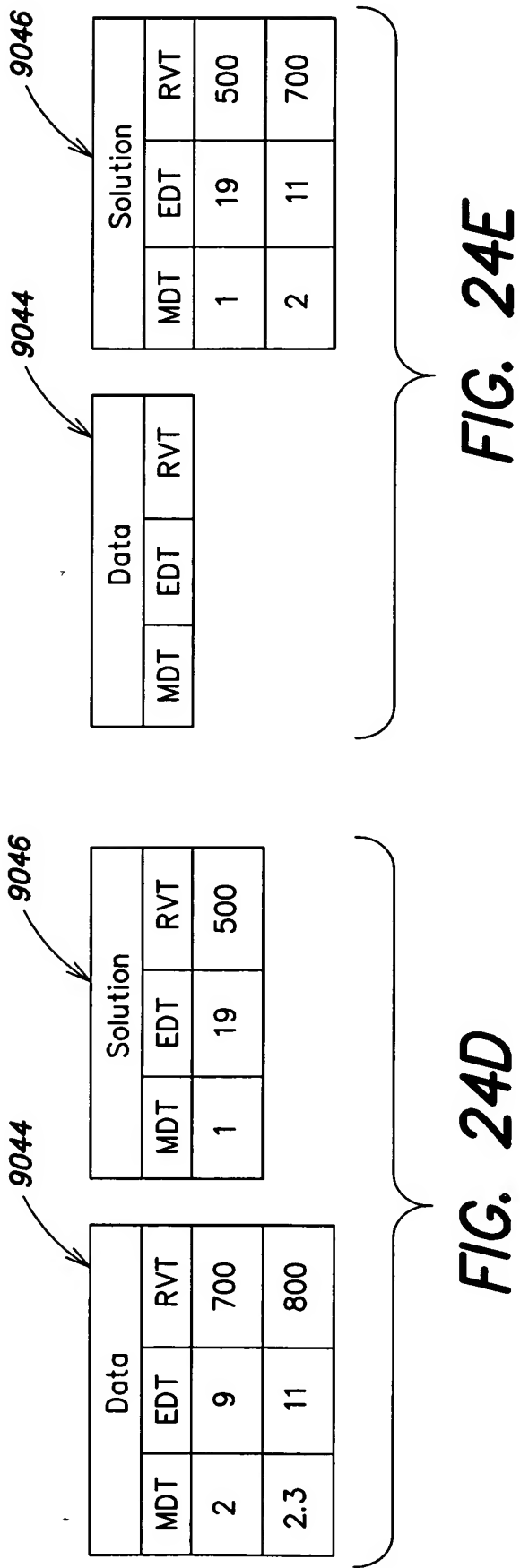
Data		
MDT	EDT	RVT
3.05	17	2868
3	19	2000
3	19	2000
1	7	500
2	9	700
2.3	11	800
0.5	3.5	1000

FIG. 24C

FIG. 24B

FIG. 24A

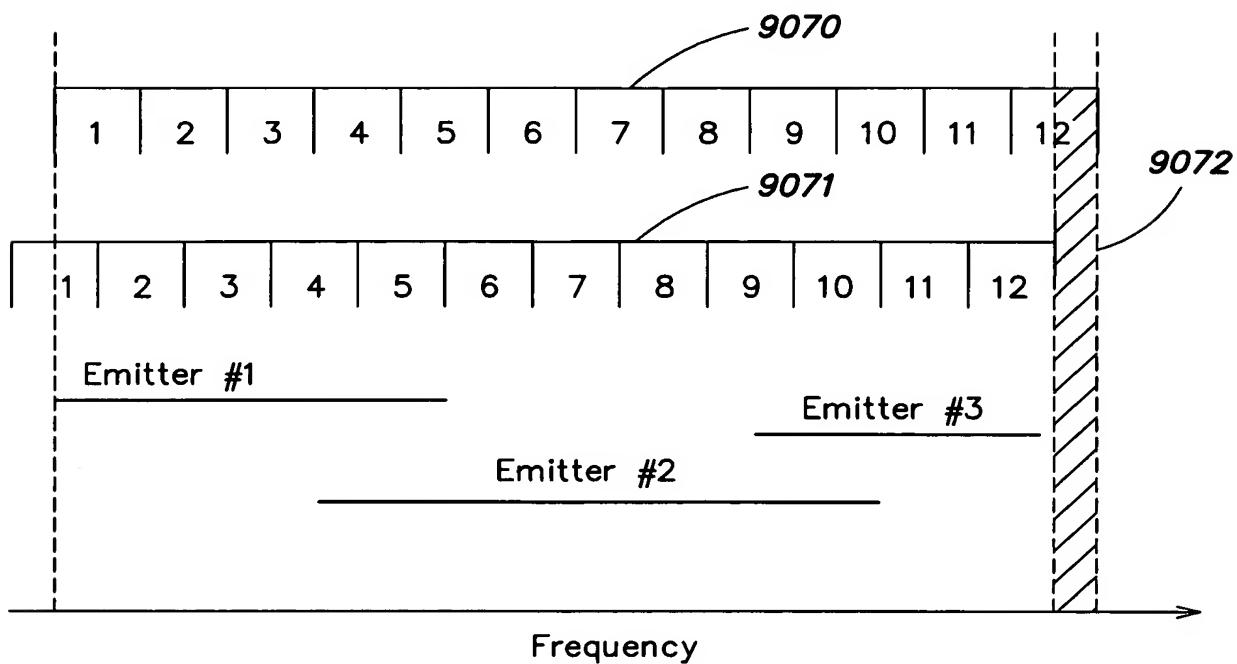




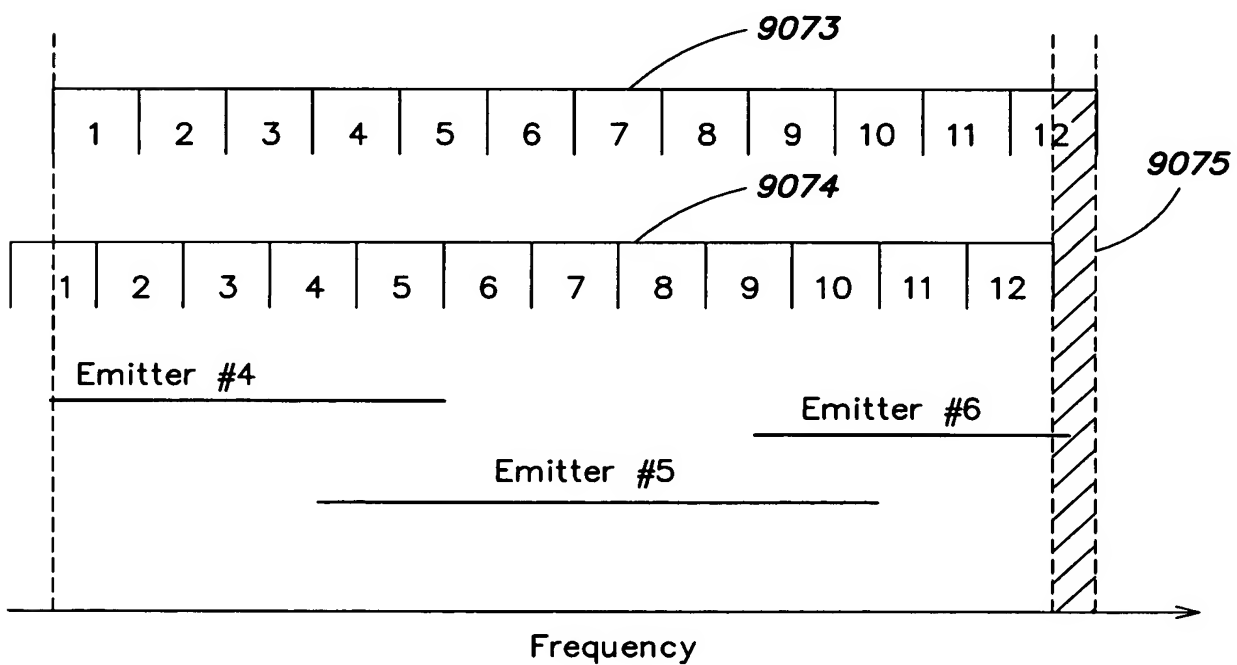
9046

Solution		
MDT	EDT	RVT
1	19	500
2	11	700

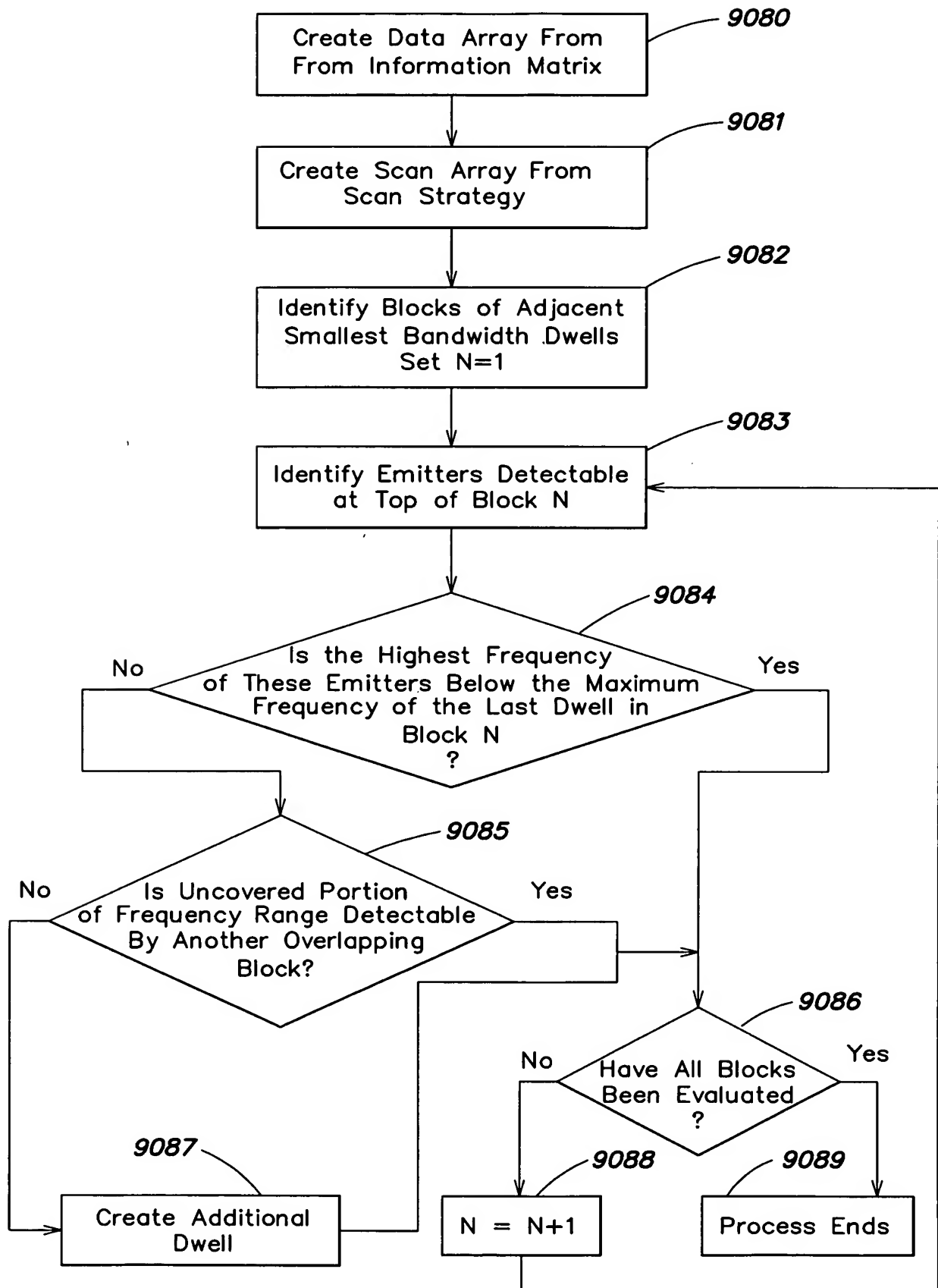
**FIG. 24F**



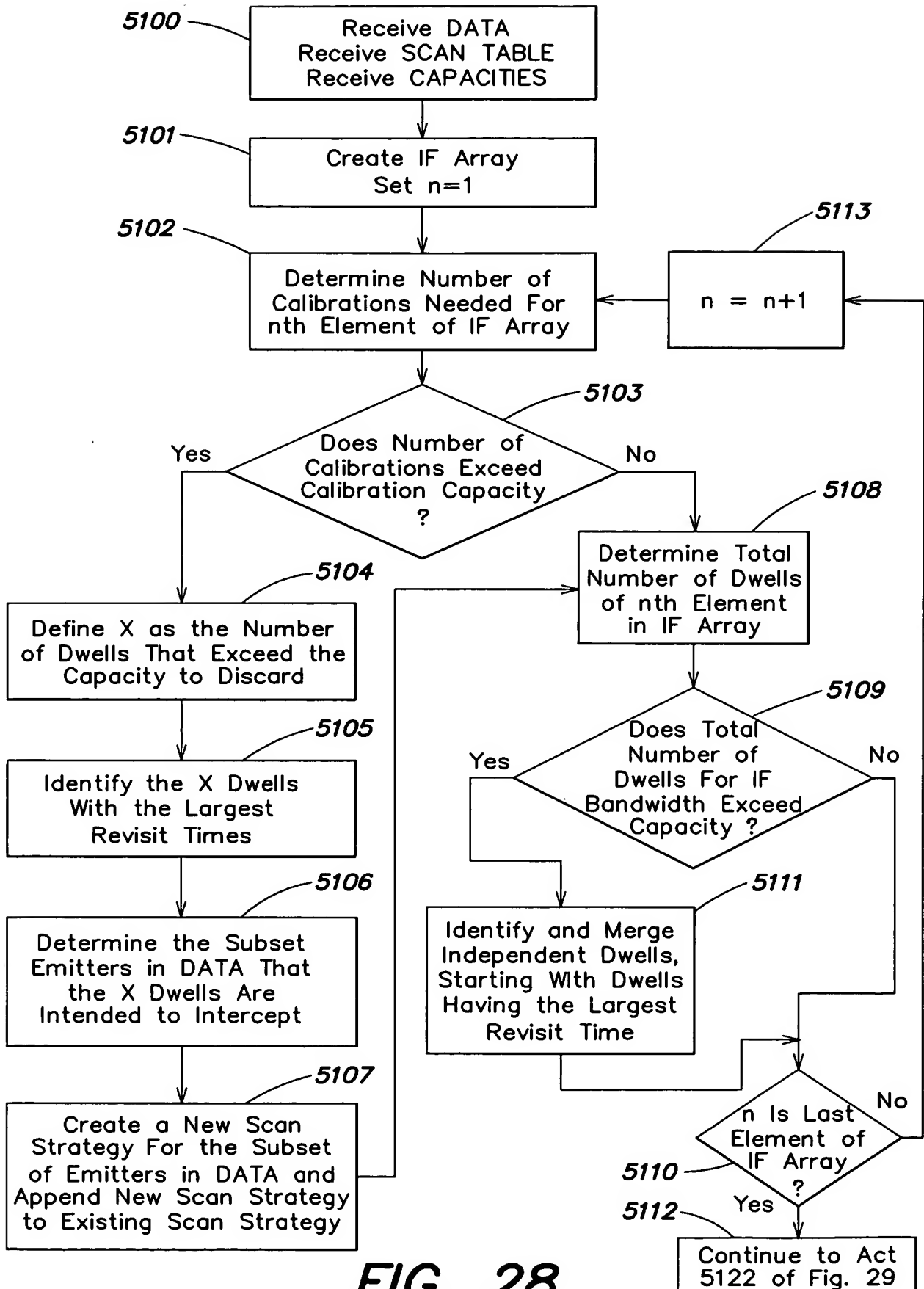
**FIG. 25**

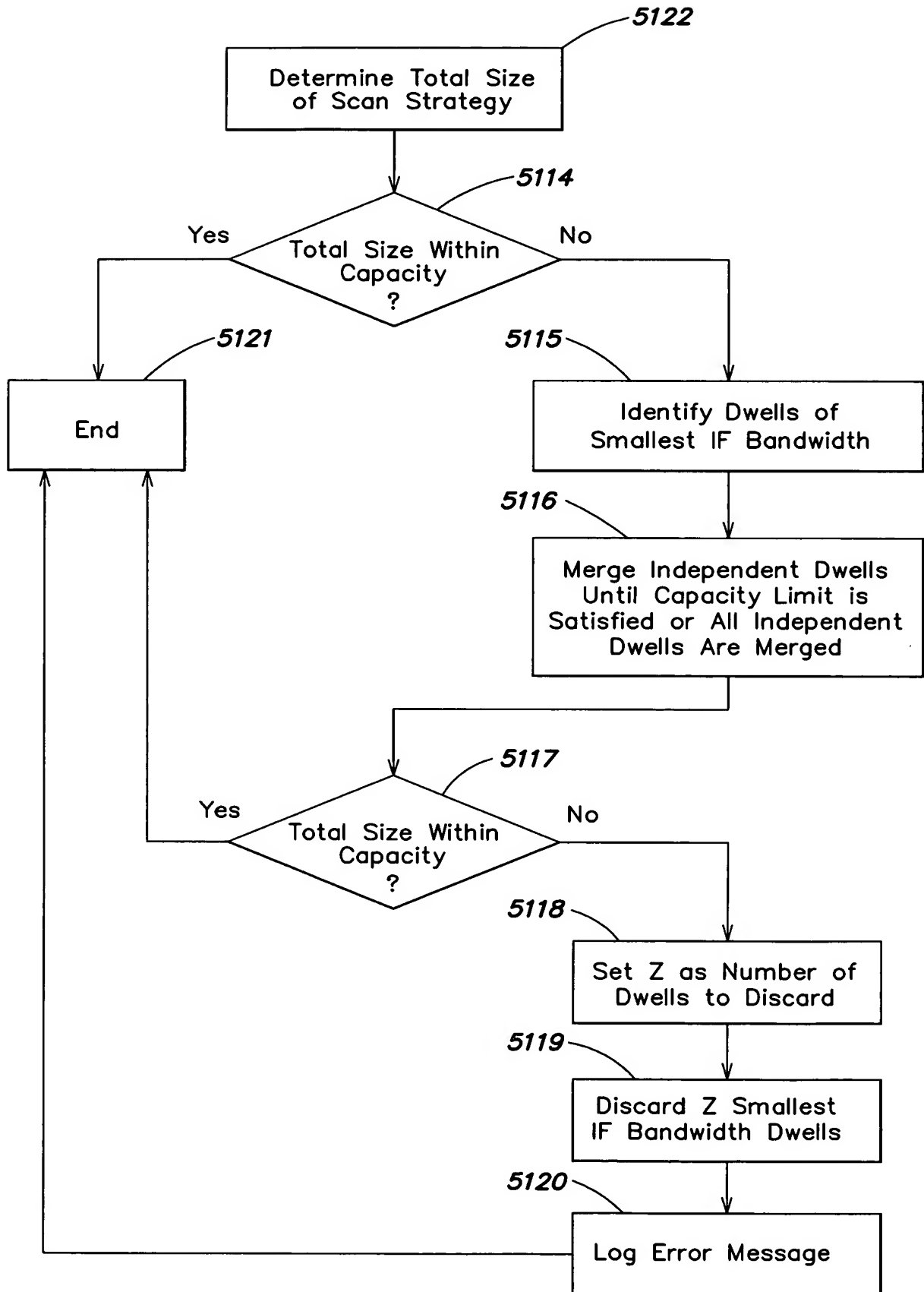


**FIG. 26**

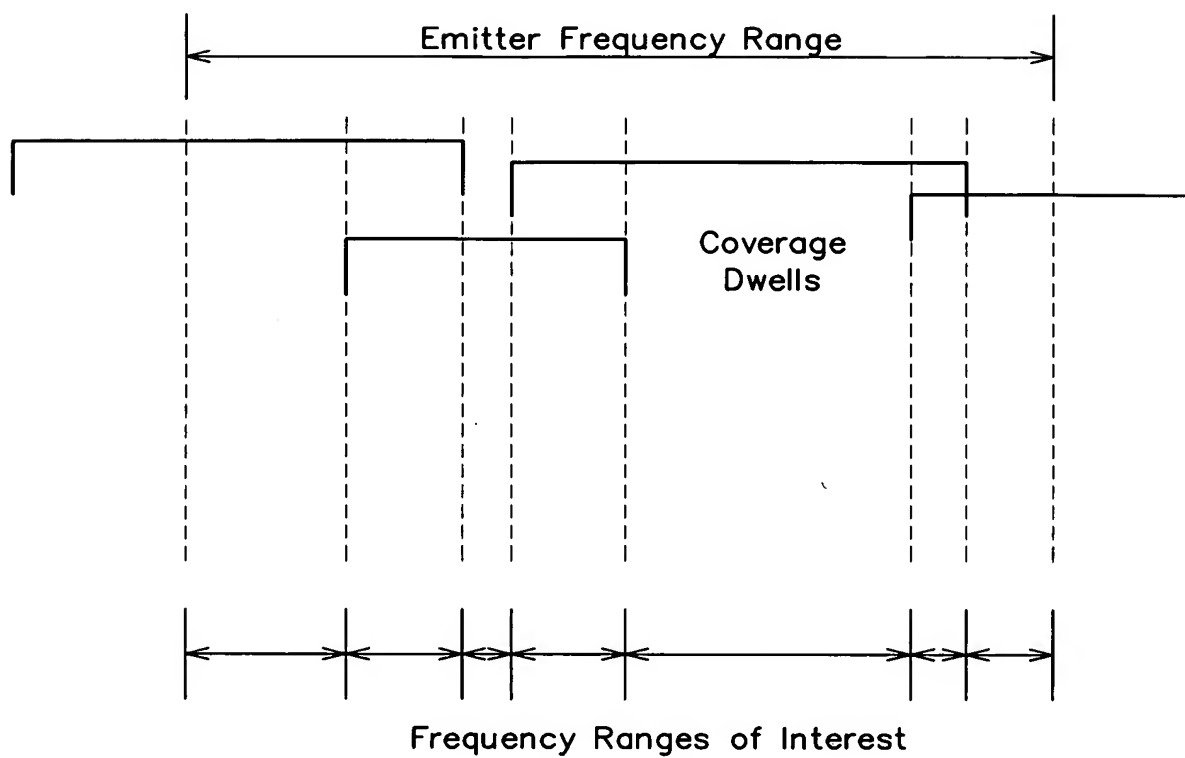


**FIG. 27**





**FIG. 29**



**FIG. 30**

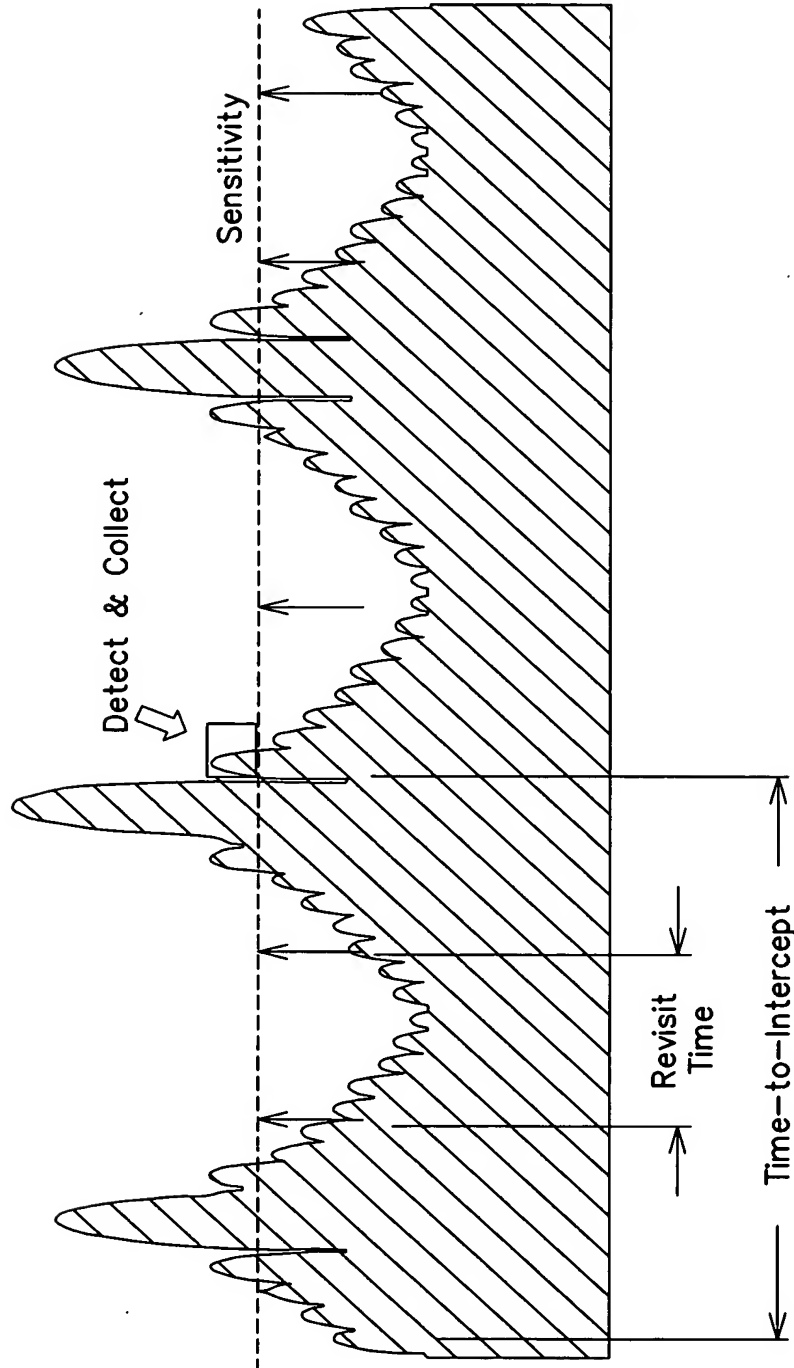


FIG. 31

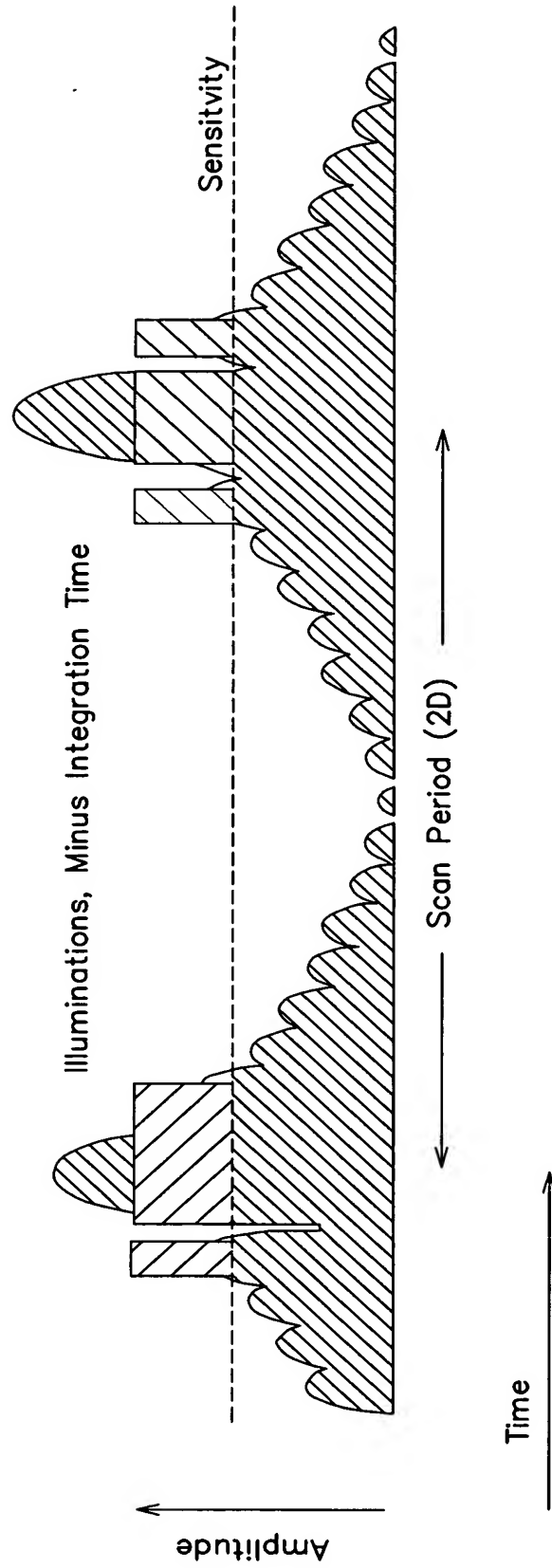


FIG. 32